**Nguồn năng lượng sạch : giải pháp bảo vệ môi trường**

Năng lượng sạch là từ khóa được tìm kiếm rất nhiều trong thời gian gần đây. Việc sử dụng nguồn năng lượng này rộng rãi sẽ góp phần rất lớn vào công cuộc bảo vệ và khôi phục môi trường sống trong sạch. Tuy nhiên, không phải ai cũng biết năng lượng là gì và sử dụng như thế nào cho hợp lý. Năng lượng sạch là chính dạng năng lượng không tạo ra những chất thải độc hại gây ảnh hưởng đến môi trường xung quanh trong quá trình sinh công. Thông thường, nguồn năng lượng này đều có từ thiên nhiên hoặc là các chế phẩm của sản phẩm tự nhiên.

Để hiểu rõ hơn Cục Thông tin KH&CN quốc gia xin giới thiệu một số bài nghiên cứu đã được xuất bản chính thức và các bài viết được chấp nhận đăng trên những cơ sở dữ liệu học thuật chính thống.



**1. Sciencedirect**

1. Energy structure transformation in the context of carbon neutralization: Evolutionary game analysis based on inclusive development of coal and clean energy  
Journal of Cleaner Production 2 March 2023 Volume 398 (Cover date: 20 April 2023) 136626  
Xin-Ping Wang, Zi-Ming Zhang, Lin-Hui Sun  
[https://www.sciencedirect.com/science/article/pii/S0959652623007849/pdfft?md5=eb482b01d3e1089424d5b53347559dbc&pid=1-s2.0-S0959652623007849-main.pdf](https://www.sciencedirect.com/science/pii/S0959652623007849/pdfft?md5=eb482b01d3e1089424d5b53347559dbc&pid=1-s2.0-S0959652623007849-main.pdf)  
  
2. Measuring the response of clean energy stock price volatility to extreme shocks  
Renewable Energy 17 February 2023 Volume 206 (Cover date: April 2023) Pages 1289-1300  
Li Zhang, Lu Wang, Keyu Luo  
[https://www.sciencedirect.com/science/article/pii/S0960148123002100/pdfft?md5=d3f8c592e8bce2fd6c2444fa97ef221b&pid=1-s2.0-S0960148123002100-main.pdf](https://www.sciencedirect.com/science/pii/S0960148123002100/pdfft?md5=d3f8c592e8bce2fd6c2444fa97ef221b&pid=1-s2.0-S0960148123002100-main.pdf)  
   
3. Making waves:  to support water and wastewater utilities in the transition to a clean-energy future  
Water 16 February 2023 Volume 233 (Cover date: 15 April 2023) 119739  
Robert B. Sowby  
<https://www.sciencedirect.com/science/article/pii/S0043135423001744/pdfft?md5=1d0a5aa27f4a82791f1a340d2b85a845&pid=1-s2.0-S0043135423001744-main.pdf>

4. Dynamics of Clean and Sustainable Households’ Energy Technologies in Developing Countries: The Case of Improved Cookstoves in Ghana  
Sustainable Futures 12 March 2023 Volume 5 (Cover date: December 2023) 100108  
Abdulai Adams, Emmanuel Tetteh Jumpah, Hamidatu S. Dramani  
[https://www.sciencedirect.com/science/article/pii/S2666188823000047/pdfft?md5=5caf9fe008439c820843cd6b28a140db&pid=1-s2.0-S2666188823000047-main.pdf](https://www.sciencedirect.com/science/pii/S2666188823000047/pdfft?md5=5caf9fe008439c820843cd6b28a140db&pid=1-s2.0-S2666188823000047-main.pdf)

5. Barter mode: The institutional innovation for affordable and clean energy (SDG7) in rural China  
Biomass and Bioenergy 6 February 2023 Volume 170 (Cover date: March 2023) 106725  
Shu Wang, Changbin Yin, Aurore Richel  
[https://www.sciencedirect.com/science/article/pii/S0961953423000235/pdfft?md5=43d7164ca4bd95c60b479debebd964be&pid=1-s2.0-S0961953423000235-main.pdf](https://www.sciencedirect.com/science/pii/S0961953423000235/pdfft?md5=43d7164ca4bd95c60b479debebd964be&pid=1-s2.0-S0961953423000235-main.pdf)

6. How does the Russian-Ukrainian war change connectedness and hedging opportunities? Comparison between dirty and clean energy markets versus global stock indices  
Journal of International Financial Markets, Institutions and Money 3 April 2023 Volume 85 (Cover date: June 2023) 101768  
Renata Karkowska, Szczepan Urjasz  
[https://www.sciencedirect.com/science/article/pii/S1042443123000367/pdfft?md5=759fdbd154f592d5e6e4ceba7fde99eb&pid=1-s2.0-S1042443123000367-main.pdf](https://www.sciencedirect.com/science/pii/S1042443123000367/pdfft?md5=759fdbd154f592d5e6e4ceba7fde99eb&pid=1-s2.0-S1042443123000367-main.pdf)

7. Design of hollow nanostructured photocatalysts for clean energy production  
Coordination Chemistrys 2 December 2022 Volume 477 (Cover date: 15 February 2023) 214953  
Guo-Qing Zhao, Xuan Long, Fei-Peng Jiao  
[https://www.sciencedirect.com/science/article/pii/S0010854522005483/pdfft?md5=9181685a6adf8e0a086747b8bb90afdb&pid=1-s2.0-S0010854522005483-main.pdf](https://www.sciencedirect.com/science/pii/S0010854522005483/pdfft?md5=9181685a6adf8e0a086747b8bb90afdb&pid=1-s2.0-S0010854522005483-main.pdf)

8. Does nuclear energy reduce carbon emissions despite using fuels and chemicals? Transition to clean energy and finance for green solutions  
Geoscience Frontiers Available online 11 April 2023 In press, corrected proof 101608  
Muhammad Imran, Khalid Zaman, Mohamed Haffar  
[https://www.sciencedirect.com/science/article/pii/S1674987123000750/pdfft?md5=3d5b40923ae1fa1a34c422d7da0492c3&pid=1-s2.0-S1674987123000750-main.pdf](https://www.sciencedirect.com/science/pii/S1674987123000750/pdfft?md5=3d5b40923ae1fa1a34c422d7da0492c3&pid=1-s2.0-S1674987123000750-main.pdf)

9. Insights into the electronic structure coupling effect of dual-metal atomic electrocatalytic platform for efficient clean energy conversion  
Chemical Engineering Journal 13 February 2023 Volume 461 (Cover date: 1 April 2023) 141911  
Wei Xu, Yunfei Wang, Junxin Xiang  
[https://www.sciencedirect.com/science/article/pii/S1385894723006423/pdfft?md5=4986fc4767694d6fd654a5dee8168d06&pid=1-s2.0-S1385894723006423-main.pdf](https://www.sciencedirect.com/science/pii/S1385894723006423/pdfft?md5=4986fc4767694d6fd654a5dee8168d06&pid=1-s2.0-S1385894723006423-main.pdf)

10. Synthetic porous carbons for clean energy storage and conversion  
EnergyChem Available online 13 January 2023 In press, corrected proof 100099  
Xiao-Ling Dong, Lu Hou, An-Hui Lu  
[https://www.sciencedirect.com/science/article/pii/S2589778023000027/pdfft?md5=48bc8b23c5735ce391292d79a55d49d5&pid=1-s2.0-S2589778023000027-main.pdf](https://www.sciencedirect.com/science/pii/S2589778023000027/pdfft?md5=48bc8b23c5735ce391292d79a55d49d5&pid=1-s2.0-S2589778023000027-main.pdf)

11. Revisiting the carbon pollution-inhibiting policies in the USA using the quantile ARDL methodology: What roles can clean energy and globalization play?  
Renewable Energy 13 January 2023 Volume 204 (Cover date: March 2023) Pages 710-721  
Partha Gangopadhyay, Narasingha Das, Md. Emran Hossain  
[https://www.sciencedirect.com/science/article/pii/S0960148123000575/pdfft?md5=b3fce8b44915c4e5b22609616d25fe4a&pid=1-s2.0-S0960148123000575-main.pdf](https://www.sciencedirect.com/science/pii/S0960148123000575/pdfft?md5=b3fce8b44915c4e5b22609616d25fe4a&pid=1-s2.0-S0960148123000575-main.pdf)

12. Biomass derived activated carbon by chemical surface modification as a source of clean energy for supercapacitor application  
Fuel 9 May 2023 Volume 348 (Cover date: 15 September 2023) 128529  
Rifat Mehdi, Salman Raza Naqvi, Rajab Hussain  
[https://www.sciencedirect.com/science/article/pii/S0016236123011420/pdfft?md5=af8ae05af0d3d27eac41e6d629dca9f8&pid=1-s2.0-S0016236123011420-main.pdf](https://www.sciencedirect.com/science/pii/S0016236123011420/pdfft?md5=af8ae05af0d3d27eac41e6d629dca9f8&pid=1-s2.0-S0016236123011420-main.pdf)

13. Does electric vehicle adoption (EVA) contribute to clean energy? Bibliometric insights and future  agenda  
Cleaner and Responsible Consumption 24 December 2022 Volume 8 (Cover date: March 2023) 100099  
Divya Singh, Ujjwal Kanti Paul, Neeraj Pandey  
[https://www.sciencedirect.com/science/article/pii/S2666784322000535/pdfft?md5=8a998cc69a3ae6a7f958765d5d1219d8&pid=1-s2.0-S2666784322000535-main.pdf](https://www.sciencedirect.com/science/pii/S2666784322000535/pdfft?md5=8a998cc69a3ae6a7f958765d5d1219d8&pid=1-s2.0-S2666784322000535-main.pdf)

14. Chemical transformations of highly toxic H2S to promising clean energy in MOFs  
Coordination Chemistrys 22 March 2023 Volume 485 (Cover date: 15 June 2023) 215135  
Juan L. Obeso, Daniel R. Amaro, Ilich A. Ibarra  
[https://www.sciencedirect.com/science/article/pii/S0010854523001248/pdfft?md5=91b3ff1fc27eb80a4fe481c9ff1f84e8&pid=1-s2.0-S0010854523001248-main.pdf](https://www.sciencedirect.com/science/pii/S0010854523001248/pdfft?md5=91b3ff1fc27eb80a4fe481c9ff1f84e8&pid=1-s2.0-S0010854523001248-main.pdf)

15. Investigation of control performance on an absorption/stripping system to remove CO2 achieving clean energy systems  
Fuel 24 April 2023 Volume 347 (Cover date: 1 September 2023) 128394  
Syed Ali Ammar Taqvi, Haslinda Zabiri, Muhammad Naqvi  
[https://www.sciencedirect.com/science/article/pii/S0016236123010074/pdfft?md5=dfd7e4168e2c782bbdd04a0ae3a06e8a&pid=1-s2.0-S0016236123010074-main.pdf](https://www.sciencedirect.com/science/pii/S0016236123010074/pdfft?md5=dfd7e4168e2c782bbdd04a0ae3a06e8a&pid=1-s2.0-S0016236123010074-main.pdf)

16. Anglers' support for an offshore wind farm: Fishing effects or clean energy symbolism  
Marine Policy 16 March 2023 Volume 151 (Cover date: May 2023) 105568  
David Bidwell, Tiffany Smythe, Grant Tyler  
[https://www.sciencedirect.com/science/article/pii/S0308597X23000957/pdfft?md5=4c3c8e222aec09ef385f0204f975470f&pid=1-s2.0-S0308597X23000957-main.pdf](https://www.sciencedirect.com/science/pii/S0308597X23000957/pdfft?md5=4c3c8e222aec09ef385f0204f975470f&pid=1-s2.0-S0308597X23000957-main.pdf)

17. Achieving affordable and clean energy through conversion of waste plastic to liquid fuel  
Journal of the Energy Institute 10 December 2022 Volume 106 (Cover date: February 2023) 101154  
Omojola Awogbemi, Daramy Vandi Von Kallon  
[https://www.sciencedirect.com/science/article/pii/S1743967122002021/pdfft?md5=ecb8ff4517552808ae0e0e82567dcb54&pid=1-s2.0-S1743967122002021-main.pdf](https://www.sciencedirect.com/science/pii/S1743967122002021/pdfft?md5=ecb8ff4517552808ae0e0e82567dcb54&pid=1-s2.0-S1743967122002021-main.pdf)

18. Advances in photocatalytic environmental and clean energy applications of bismuth-rich oxy halides-based heterojunctions: a   
Materials Today Sustainability 13 January 2023 Volume 21 (Cover date: March 2023) 100327  
J. Sharma, P. Dhiman, G. Rana  
[https://www.sciencedirect.com/science/article/pii/S2589234723000131/pdfft?md5=0f2298151423b7f04f4de797c0f45595&pid=1-s2.0-S2589234723000131-main.pdf](https://www.sciencedirect.com/science/pii/S2589234723000131/pdfft?md5=0f2298151423b7f04f4de797c0f45595&pid=1-s2.0-S2589234723000131-main.pdf)  
   
19. Designing durable, sustainable, high-performance materials for clean energy infrastructure  
Cell Reports Physical Science 16 December 2022 Volume 4, Issue 1 (Cover date: 18 January 2023) 101200  
Jason Hattrick-Simpers, Kangming Li, Ozlem Ozcan  
[https://www.sciencedirect.com/science/article/pii/S2666386422005185/pdfft?md5=047c291c9a8aeceb92df9f1b915bb06b&pid=1-s2.0-S2666386422005185-main.pdf](https://www.sciencedirect.com/science/pii/S2666386422005185/pdfft?md5=047c291c9a8aeceb92df9f1b915bb06b&pid=1-s2.0-S2666386422005185-main.pdf)

20. Advanced nuclear energy: the safest and most renewable clean energy  
Current Opinion in Chemical Engineering 28 November 2022 Volume 39 (Cover date: March 2023) 100878  
Thomas E Rehm  
[https://www.sciencedirect.com/science/article/pii/S2211339822000880/pdfft?md5=47ca3e6bcfebe67b00bd05b0b61f97dc&pid=1-s2.0-S2211339822000880-main.pdf](https://www.sciencedirect.com/science/pii/S2211339822000880/pdfft?md5=47ca3e6bcfebe67b00bd05b0b61f97dc&pid=1-s2.0-S2211339822000880-main.pdf)

21. Critical metal requirement for clean energy transition: A quantitative  on the case of transportation electrification  
Advances in Applied Energy 6 December 2022 Volume 9 (Cover date: February 2023) 100116  
Chunbo Zhang, Jinyue Yan, Fengqi You  
[https://www.sciencedirect.com/science/article/pii/S2666792422000348/pdfft?md5=24ddf5d8420babb2edb88b29023ed62a&pid=1-s2.0-S2666792422000348-main.pdf](https://www.sciencedirect.com/science/pii/S2666792422000348/pdfft?md5=24ddf5d8420babb2edb88b29023ed62a&pid=1-s2.0-S2666792422000348-main.pdf)

22. Strategies of eliminating nuclear waste using accelerator-driven system in the transition stage for sustainable and clean nuclear energy in China  
Annals of Nuclear Energy 28 January 2023 Volume 185 (Cover date: 1 June 2023) 109713  
Xunchao Zhang, Neng Pu, Yuan He  
[https://www.sciencedirect.com/science/article/pii/S0306454923000324/pdfft?md5=f369d983ff9261475e9a4eb7f53d35d1&pid=1-s2.0-S0306454923000324-main.pdf](https://www.sciencedirect.com/science/pii/S0306454923000324/pdfft?md5=f369d983ff9261475e9a4eb7f53d35d1&pid=1-s2.0-S0306454923000324-main.pdf)

23. Impacts of household PM2.5 pollution on blood pressure of rural residents: Implication for clean energy transition  
Science of The Total Environment 27 April 2023 Volume 884 (Cover date: 1 August 2023) 163749  
Jinze Wang, Wei Du, Bo Pan  
[https://www.sciencedirect.com/science/article/pii/S0048969723023707/pdfft?md5=72b80c08aebd509fd92347eff9f13b82&pid=1-s2.0-S0048969723023707-main.pdf](https://www.sciencedirect.com/science/pii/S0048969723023707/pdfft?md5=72b80c08aebd509fd92347eff9f13b82&pid=1-s2.0-S0048969723023707-main.pdf)

24. Green hydrogen-based E-fuels (E-methane, E-methanol, E-ammonia) to support clean energy transition: A literature   
International Journal of Hydrogen Energy Available online 29 April 2023 In press, corrected proof  
Amira Nemmour, Abrar Inayat, Chaouki Ghenai  
[https://www.sciencedirect.com/science/article/pii/S0360319923013393/pdfft?md5=b6960efe9d51c16d8f2958ccfb7735a2&pid=1-s2.0-S0360319923013393-main.pdf](https://www.sciencedirect.com/science/pii/S0360319923013393/pdfft?md5=b6960efe9d51c16d8f2958ccfb7735a2&pid=1-s2.0-S0360319923013393-main.pdf)

25. Cobalt decorated graphitic carbon nitride photoanode for electrochemical ethanol oxidation: A sustainable way towards clean energy  
International Journal of Hydrogen Energy Available online 3 May 2023 In press, corrected proof  
Ritika Wadhwa, Krishna K. Yadav, Menaka Jha  
[https://www.sciencedirect.com/science/article/pii/S0360319923019419/pdfft?md5=936410a3dff935a00d7989b2433ae741&pid=1-s2.0-S0360319923019419-main.pdf](https://www.sciencedirect.com/science/pii/S0360319923019419/pdfft?md5=936410a3dff935a00d7989b2433ae741&pid=1-s2.0-S0360319923019419-main.pdf)

26. Possible bottlenecks in clean energy transitions: Overview and modelled effects – Case Finland  
Journal of Cleaner Production 25 April 2023 Volume 410 (Cover date: 15 July 2023) 137317  
Johannes Hyvönen, Tero Koivunen, Sanna Syri  
[https://www.sciencedirect.com/science/article/pii/S0959652623014750/pdfft?md5=b26590409ea044b8272f02e6bd921a6c&pid=1-s2.0-S0959652623014750-main.pdf](https://www.sciencedirect.com/science/pii/S0959652623014750/pdfft?md5=b26590409ea044b8272f02e6bd921a6c&pid=1-s2.0-S0959652623014750-main.pdf)

27. Techno-economic examination and optimization of a combined solar power and heating plant to achieve a clean energy conversion plant  
Process Safety and Environmental Protection 5 April 2023 Volume 174 (Cover date: June 2023) Pages 223-234  
H. Tao, J. Zhou, F. Musharavati  
[https://www.sciencedirect.com/science/article/pii/S0957582023002860/pdfft?md5=4d794422613711e2581f5529686da0af&pid=1-s2.0-S0957582023002860-main.pdf](https://www.sciencedirect.com/science/pii/S0957582023002860/pdfft?md5=4d794422613711e2581f5529686da0af&pid=1-s2.0-S0957582023002860-main.pdf)

28. Combination of solar with organic Rankine cycle as a potential solution for clean energy production  
Sustainable Energy Technologies and Assessments 31 March 2023 Volume 57 (Cover date: June 2023) 103161  
Van Nhanh Nguyen, Nguyen Dang Khoa Pham, Thanh Hai Truong  
[https://www.sciencedirect.com/science/article/pii/S2213138823001546/pdfft?md5=bf9370cc9f7fe9328e0201143e10c742&pid=1-s2.0-S2213138823001546-main.pdf](https://www.sciencedirect.com/science/pii/S2213138823001546/pdfft?md5=bf9370cc9f7fe9328e0201143e10c742&pid=1-s2.0-S2213138823001546-main.pdf)  
  
29. Study of mechanical, optical and transport aspirants of double perovskites Cs2XInI6 (X = Li, Na) for solar cells and clean energy applications  
Journal of Solid State Chemistry 23 March 2023 Volume 322 (Cover date: June 2023) 124003  
Tariq M. Al-Daraghmeh, Omar Zayed, Q. Mahmood  
[https://www.sciencedirect.com/science/article/pii/S0022459623001718/pdfft?md5=1dc165addf4f067d8bde3b0dee9ca568&pid=1-s2.0-S0022459623001718-main.pdf](https://www.sciencedirect.com/science/pii/S0022459623001718/pdfft?md5=1dc165addf4f067d8bde3b0dee9ca568&pid=1-s2.0-S0022459623001718-main.pdf)

30. Clean energy transition in the Turkish power sector: A techno-economic analysis with a high-resolution power expansion model  
Utilities Policy 21 March 2023 Volume 82 (Cover date: June 2023) 101538  
Bora Kat  
[https://www.sciencedirect.com/science/article/pii/S0957178723000504/pdfft?md5=e5168b700ae427a93c5107a9aa9c7cf8&pid=1-s2.0-S0957178723000504-main.pdf](https://www.sciencedirect.com/science/pii/S0957178723000504/pdfft?md5=e5168b700ae427a93c5107a9aa9c7cf8&pid=1-s2.0-S0957178723000504-main.pdf)

31. Assessing the performance and economic viability of solar home systems: A way forward towards clean energy exploration and consumption  
Renewable Energy 15 March 2023 Volume 208 (Cover date: May 2023) Pages 409-419  
Bohan Sun, Ke Gao, Hui Wang  
[https://www.sciencedirect.com/science/article/pii/S0960148123002951/pdfft?md5=33c5fbd2666f594925c80dc4142a1e53&pid=1-s2.0-S0960148123002951-main.pdf](https://www.sciencedirect.com/science/pii/S0960148123002951/pdfft?md5=33c5fbd2666f594925c80dc4142a1e53&pid=1-s2.0-S0960148123002951-main.pdf)

32. A facile synthesis of sub-10 nm Ni2P/g-C3N4 photocatalytic composite with ohmic contact for clean H2-energy generation under visible light irradiation  
Journal of Cleaner Production 8 March 2023 Volume 402 (Cover date: 20 May 2023) 136672  
Shen Xu, Jianying Huang, Yuekun Lai  
[https://www.sciencedirect.com/science/article/pii/S0959652623008302/pdfft?md5=fbf43257dabbb7a20071ed0413edcb12&pid=1-s2.0-S0959652623008302-main.pdf](https://www.sciencedirect.com/science/pii/S0959652623008302/pdfft?md5=fbf43257dabbb7a20071ed0413edcb12&pid=1-s2.0-S0959652623008302-main.pdf)

33. Transition towards clean energy consumption in G7: Can financial sector, ICT and democracy help?  
Resources Policy 8 March 2023 Volume 82 (Cover date: May 2023) 103447  
Amogh Talan, Amar Rao, Shujaat Abbas  
[https://www.sciencedirect.com/science/article/pii/S0301420723001551/pdfft?md5=ccc4148d980f6ad739970a979c050d06&pid=1-s2.0-S0301420723001551-main.pdf](https://www.sciencedirect.com/science/pii/S0301420723001551/pdfft?md5=ccc4148d980f6ad739970a979c050d06&pid=1-s2.0-S0301420723001551-main.pdf)

34. A hybrid deep learning - CFD approach for modeling nanops’ sedimentation processes for possible application in clean energy systems  
Journal of Cleaner Production 20 February 2023 Volume 399 (Cover date: 1 May 2023) 136532  
Mehrdad Mesgarpour, Omid Mahian, Mostafa Safdari Shadloo  
[https://www.sciencedirect.com/science/article/pii/S095965262300690X/pdfft?md5=0f7500a60b8c2da5b64ad0bae4f19782&pid=1-s2.0-S095965262300690X-main.pdf](https://www.sciencedirect.com/science/pii/S095965262300690X/pdfft?md5=0f7500a60b8c2da5b64ad0bae4f19782&pid=1-s2.0-S095965262300690X-main.pdf)  
  
35. Covid-19 and energy sector: Unique opportunity for switching to clean energy  
Gondwana 4 February 2022 Volume 114 (Cover date: February 2023) Pages 93-116  
Anjani R. K. Gollakota, Chi-Min Shu  
[https://www.sciencedirect.com/science/article/pii/S1342937X22000314/pdfft?md5=0f9eccbc29e9f5de6f169b858fe62f88&pid=1-s2.0-S1342937X22000314-main.pdf](https://www.sciencedirect.com/science/pii/S1342937X22000314/pdfft?md5=0f9eccbc29e9f5de6f169b858fe62f88&pid=1-s2.0-S1342937X22000314-main.pdf)

36. Valorization of biowastes for clean energy production, environmental depollution and soil fertility  
Journal of Environmental Management 1 February 2023 Volume 332 (Cover date: 15 April 2023) 117410  
Rajesh K. Srivastava, Nagaraj P. Shetti, Tejraj M. Aminabhavi  
[https://www.sciencedirect.com/science/article/pii/S0301479723001986/pdfft?md5=a76fa00d796a67e049567d76af2e8dd5&pid=1-s2.0-S0301479723001986-main.pdf](https://www.sciencedirect.com/science/pii/S0301479723001986/pdfft?md5=a76fa00d796a67e049567d76af2e8dd5&pid=1-s2.0-S0301479723001986-main.pdf)

37. Advanced optimizer for maximum power point tracking of photovoltaic systems in smart grid: A roadmap towards clean energy technologies  
Renewable Energy 17 January 2023 Volume 206 (Cover date: April 2023) Pages 1326-1335  
Shiyong Zheng, Muhammad Shahzad, Hafiz Abdul Muqeet  
[https://www.sciencedirect.com/science/article/pii/S0960148123000290/pdfft?md5=e895d3b8b155e2d79fd42eb6cbf7e988&pid=1-s2.0-S0960148123000290-main.pdf](https://www.sciencedirect.com/science/pii/S0960148123000290/pdfft?md5=e895d3b8b155e2d79fd42eb6cbf7e988&pid=1-s2.0-S0960148123000290-main.pdf)

38. Current practices, potentials, challenges, future opportunities, environmental and economic assumptions for Türkiye’s clean and sustainable energy policy: A comprehensive assessment  
Sustainable Energy Technologies and Assessments 9 January 2023 Volume 56 (Cover date: March 2023) 103019  
Ümit Ağbulut, Gökhan Yıldız, Ali Etem Gürel  
[https://www.sciencedirect.com/science/article/pii/S2213138823000115/pdfft?md5=646e21baacfbf55fcea923d267e5c2be&pid=1-s2.0-S2213138823000115-main.pdf](https://www.sciencedirect.com/science/pii/S2213138823000115/pdfft?md5=646e21baacfbf55fcea923d267e5c2be&pid=1-s2.0-S2213138823000115-main.pdf)

39. Enhancement of hydrogen clean energy production from greenhouse gas by in-situ hydrogen separation with a cobalt-silica membrane  
Journal of Cleaner Production 3 January 2023 Volume 388 (Cover date: 15 February 2023) 135874  
Guozhao JiXian YinWeijian Wang  
[https://www.sciencedirect.com/science/article/pii/S095965262300032X/pdfft?md5=fb02b77e079d3e967ad6adbbd37d0788&pid=1-s2.0-S095965262300032X-main.pdf](https://www.sciencedirect.com/science/pii/S095965262300032X/pdfft?md5=fb02b77e079d3e967ad6adbbd37d0788&pid=1-s2.0-S095965262300032X-main.pdf)

40. Utilization of various waste sources in Saudi Arabia as a new clean and renewable energy source: Adsorption of phenol pollutants and removal from petroleum industrial wastes via molecular dynamics simulation  
Engineering Analysis with Boundary Elements13 December 2022Volume 147 (Cover date: February 2023)Pages 164-170  
Ammar A. MelaibariAhmed S. ElamoudiNidal H. Abu-Hamdeh  
[https://www.sciencedirect.com/science/article/pii/S095579972200457X/pdfft?md5=f338518b577b22db1249e6ad45adb114&pid=1-s2.0-S095579972200457X-main.pdf](https://www.sciencedirect.com/science/pii/S095579972200457X/pdfft?md5=f338518b577b22db1249e6ad45adb114&pid=1-s2.0-S095579972200457X-main.pdf)

41. Renewable energy resources and sustainable development goals: Evidence based on green finance, clean energy and environmentally friendly investment  
Resources Policy5 January 2023Volume 80 (Cover date: January 2023) 103194  
Jinlan BeiChunyu Wang  
[https://www.sciencedirect.com/science/article/pii/S0301420722006377/pdfft?md5=5f864e3c48656a2ae7c00fe29929c1dc&pid=1-s2.0-S0301420722006377-main.pdf](https://www.sciencedirect.com/science/pii/S0301420722006377/pdfft?md5=5f864e3c48656a2ae7c00fe29929c1dc&pid=1-s2.0-S0301420722006377-main.pdf)

42. The role of clean and unclean energy resources in inspecting N-shaped impact of industrial production on environmental quality: A case of high polluting economies  
Resources Policy13 December 2022Volume 80 (Cover date: January 2023) 103217  
Jinchao GaoMuhammad Shahid HassanHaider Mahmood  
[https://www.sciencedirect.com/science/article/pii/S0301420722006602/pdfft?md5=ead53504bccd63fc39d63b92c9350d26&pid=1-s2.0-S0301420722006602-main.pdf](https://www.sciencedirect.com/science/pii/S0301420722006602/pdfft?md5=ead53504bccd63fc39d63b92c9350d26&pid=1-s2.0-S0301420722006602-main.pdf)

43. Design of concrete incorporating microencapsulated phase change materials for clean energy: A ternary machine learning approach based on generative adversarial networks  
Engineering Applications of Artificial Intelligence30 November 2022Volume 118 (Cover date: February 2023) 105652  
Afshin MaraniLei ZhangMoncef L. Nehdi  
[https://www.sciencedirect.com/science/article/pii/S095219762200642X/pdfft?md5=7f56c62ebd42ab00bafef540ca3e1379&pid=1-s2.0-S095219762200642X-main.pdf](https://www.sciencedirect.com/science/pii/S095219762200642X/pdfft?md5=7f56c62ebd42ab00bafef540ca3e1379&pid=1-s2.0-S095219762200642X-main.pdf)

44. Analysing the co-benefit of environmental tax amidst clean energy development in Europe's largest agrarian economies  
Journal of Environmental Management23 November 2022Volume 326, Part B (Cover date: 15 January 2023) 116748  
Andrew Adewale AlolaObumneke Bob MuonekeHephzibah Onyeje Obekpa  
[https://www.sciencedirect.com/science/article/pii/S0301479722023210/pdfft?md5=958cf531f04e18e4c84832acd5bb9f13&pid=1-s2.0-S0301479722023210-main.pdf](https://www.sciencedirect.com/science/pii/S0301479722023210/pdfft?md5=958cf531f04e18e4c84832acd5bb9f13&pid=1-s2.0-S0301479722023210-main.pdf)

45. Conical spouted bed combustor to obtain clean energy from avocado waste  
Fuel Processing Technology4 November 2022Volume 239 (Cover date: January 2023) 107543  
María J. San JoséSonia AlvarezRaquel López  
[https://www.sciencedirect.com/science/article/pii/S0378382022003836/pdfft?md5=cbb62ccf351240622cd40fb7bb99d372&pid=1-s2.0-S0378382022003836-main.pdf](https://www.sciencedirect.com/science/pii/S0378382022003836/pdfft?md5=cbb62ccf351240622cd40fb7bb99d372&pid=1-s2.0-S0378382022003836-main.pdf)

46. Metal organic frameworks derived functional materials for energy and environment related sustainable applications  
Chemosphere 18 November 2022 Volume 313 (Cover date: February 2023) 137330  
Xihan Tan, Shuo Wang, Ning Han  
[https://www.sciencedirect.com/science/article/pii/S0045653522038231/pdfft?md5=6fced907f8481dc4da8e5b359a37535b&pid=1-s2.0-S0045653522038231-main.pdf](https://www.sciencedirect.com/science/pii/S0045653522038231/pdfft?md5=6fced907f8481dc4da8e5b359a37535b&pid=1-s2.0-S0045653522038231-main.pdf)

47. Rural photovoltaic projects substantially prompt household energy transition: Evidence from China  
Energy 17 April 2023 Volume 275 (Cover date: 15 July 2023) 127505  
Yuan Liu, Jiahui Chen, Hua Liao  
[https://www.sciencedirect.com/science/article/pii/S036054422300899X/pdfft?md5=e7a8022048254f7ae6ec32138bc1c4f6&pid=1-s2.0-S036054422300899X-main.pdf](https://www.sciencedirect.com/science/pii/S036054422300899X/pdfft?md5=e7a8022048254f7ae6ec32138bc1c4f6&pid=1-s2.0-S036054422300899X-main.pdf)

48. Determinants of the sustained use of household clean fuels and technologies: Lessons from Vihiga county, Kenya  
Energy Reports 10 January 2023 Volume 9 (Cover date: December 2023) Pages 1990-2001  
Cohen Ang’u, Nzioka John Muthama, Mutembei Henry M’IKiugu  
[https://www.sciencedirect.com/science/article/pii/S2352484723000264/pdfft?md5=f3b56e98c90834d6cc0362d2aa9f7315&pid=1-s2.0-S2352484723000264-main.pdf](https://www.sciencedirect.com/science/pii/S2352484723000264/pdfft?md5=f3b56e98c90834d6cc0362d2aa9f7315&pid=1-s2.0-S2352484723000264-main.pdf)

49. What derives renewable energy transition in G-7 and E-7 countries? The role of financial development and mineral markets  
Energy Economics 11 April 2023 Volume 121 (Cover date: May 2023) 106661  
Muhammad Irfan, Mubeen Abdur Rehman, Yu Hao  
[https://www.sciencedirect.com/science/article/pii/S0140988323001597/pdfft?md5=5615304caf67a60ac7179e6c00a09305&pid=1-s2.0-S0140988323001597-main.pdf](https://www.sciencedirect.com/science/pii/S0140988323001597/pdfft?md5=5615304caf67a60ac7179e6c00a09305&pid=1-s2.0-S0140988323001597-main.pdf)

50. Dynamic connectedness among climate change index, green financial assets and renewable energy markets: Novel evidence from sustainable development perspective  
Renewable Energy 28 December 2022 Volume 204 (Cover date: March 2023) Pages 94-105  
Daniel Balsalobre Lorente, Kamel Si Mohammed, Umer Shahzad  
[https://www.sciencedirect.com/science/article/pii/S096014812201881X/pdfft?md5=a3698ae14255e5d4a0ca7b22a550e0d7&pid=1-s2.0-S096014812201881X-main.pdf](https://www.sciencedirect.com/science/pii/S096014812201881X/pdfft?md5=a3698ae14255e5d4a0ca7b22a550e0d7&pid=1-s2.0-S096014812201881X-main.pdf)

**2. Springer**

1. Modeling the economic viability and performance of solar home systems: a roadmap towards clean energy for environmental sustainability  
Shahid Ali, Qingyou Yan, Azer Dilanchiev… in Environmental Science and Pollution  (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs11356-022-24387-6.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s11356-022-24387-6.pdf?pdf=core)

2. Network-driven positive externalities in clean energy technology production: the case of energy efficiency in the EU residential sector  
Valeria Costantini, Valerio Leone Sciabolazza… in The Journal of Technology Transfer (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs10961-022-09928-y.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s10961-022-09928-y.pdf?pdf=core)

3. Climate change mitigation with clean energy: a case study on the potential of solar photovoltaic power plants in eastern Iran  
Babak Shaikh Baikloo Islam, Tahmineh Sokhansefat in Arabian Journal of Geosciences (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs12517-022-11131-0.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s12517-022-11131-0.pdf?pdf=core)

4. The clean energy aspect of plastic waste — hydrogen gas production, CO2 reforming, and plastic waste management coincide with catalytic pyrolysis — an extensive   
Pitchaiah Sudalaimuthu… in Environmental Science and Pollution  (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs11356-023-26908-3.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s11356-023-26908-3.pdf?pdf=core)

5. Analysis of how environmental degradation affects clean energy transition: evidence from the UAE  
Nurcan Kilinc-Ata, Mohamed Alshami in Environmental Science and Pollution  (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs11356-023-27540-x.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s11356-023-27540-x.pdf?pdf=core)

6. Adoption of floating solar photovoltaics on waste water management system: a unique nexus of water-energy utilization, low-cost clean energy generation and water conservation  
Anik Goswami, Pradip Kumar Sadhu in Clean Technologies and Environmental Policy (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs10098-021-02077-0.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s10098-021-02077-0.pdf?pdf=core)

7. Recent developments on photovoltaic thermal drying systems: a clean energy production  
Manisha, Sumit Tiwari, Deepak Chhabra… in Clean Technologies and Environmental Policy (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs10098-023-02514-2.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s10098-023-02514-2.pdf?pdf=core)

8. Energy economics and environmental assessment of hybrid hydel-floating solar photovoltaic systems for cost-effective low-carbon clean energy generation  
Nimesh Kumar Singh, Anik Goswami… in Clean Technologies and Environmental Policy (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs10098-022-02448-1.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s10098-022-02448-1.pdf?pdf=core)

9. Relating biogas technology and environmental impact assessment: a roadmap towards clean energy for environmental sustainability  
Shahid Ali, Qingyou Yan, Muhammad Irfan… in Environmental Science and Pollution Research (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs11356-023-27553-6.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s11356-023-27553-6.pdf?pdf=core)

10. Quality Function Deployment-Oriented Strategic Outlook to Sustainable Energy Policies Based on Quintuple Innovation Helix  
Elias Carayannis, Pantelis Kostis, Hasan Dinçer… in Journal of the Knowledge Economy (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs13132-023-01394-7.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s13132-023-01394-7.pdf?pdf=core)

11. Financial inclusion and energy consumption in China: the roles of economic growth and technological innovation  
Hongyan Liu, Yan Ma in Environmental Science and Pollution Research (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs11356-022-23306-z.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s11356-022-23306-z.pdf?pdf=core)

12. Sustainable finance, natural resource abundance, and energy poverty trap: the environmental challenges in the era of COVID-19  
Xie Baiwei, Imran Hanif, Sarah Wasim… in Environmental Science and Pollution Research (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs11356-022-23986-7.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s11356-022-23986-7.pdf?pdf=core)

13. How do clean fuels and technology-based energy poverty affect carbon emissions? New evidence from eighteen developing countries  
Wang Yahong, Yaping Cai, Salim Khan… in Environmental Science and Pollution Research (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs11356-022-24798-5.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s11356-022-24798-5.pdf?pdf=core)

14. A state-of-the-art review on readiness assessment tools in the adoption of renewable energy  
Arathy Sudarsan, Chithra Kurukkanari… in Environmental Science and Pollution Research (2023)  
[https://link.springer.com/content/pdf/10.1007%2Fs11356-023-25520-9.pdf?pdf=core](https://link.springer.com/content/pdf/10.1007/s11356-023-25520-9.pdf?pdf=core)

     Nguồn: Cục Thông tin khoa học và công nghệ quốc gia